

- 1) The Corps of Engineers believes that there may be jurisdictional aquatic resources in the review area, and the requestor of this PJD is hereby advised of his or her option to request and obtain an approved JD (AJD) for that review area based on an informed decision after having discussed the various types of JDs and their characteristics and circumstances when they may be appropriate.
- 2) In any circumstance where a permit applicant obtains an individual permit, or a Nationwide General Permit (NWP) or other general permit verification requiring “pre- construction notification” (PCN), or requests verification for a non-reporting NWP or other general permit, and the permit applicant has not requested an AJD for the activity, the permit applicant is hereby made aware that: (1) the permit applicant has elected to seek a permit authorization based on a PJD, which does not make an official determination of jurisdictional aquatic resources; (2) the applicant has the option to request an AJD before accepting the terms and conditions of the permit authorization, and that basing a permit authorization on an AJD could possibly result in less compensatory mitigation being required or different special conditions; (3) the applicant has the right to request an individual permit rather than accepting the terms and conditions of the NWP or other general permit authorization; (4) the applicant can accept a permit authorization and thereby agree to comply with all the terms and conditions of that permit, including whatever mitigation requirements the Corps has determined to be necessary; (5) undertaking any activity in reliance upon the subject permit authorization without requesting an AJD constitutes the applicant’s acceptance of the use of the PJD; (6) accepting a permit authorization (e.g., signing a proffered individual permit) or undertaking any activity in reliance on any form of Corps permit authorization based on a PJD constitutes agreement that all aquatic resources in the review area affected in any way by that activity will be treated as jurisdictional, and waives any challenge to such jurisdiction in any administrative or judicial compliance or enforcement action, or in any administrative appeal or in any Federal court; and (7) whether the applicant elects to use either an AJD or a PJD, the JD will be processed as soon as practicable. Further, an AJD, a proffered individual permit (and all terms and conditions contained therein), or individual permit denial can be administratively appealed pursuant to 33 C.F.R. Part 331. If, during an administrative appeal, it becomes appropriate to make an official determination whether geographic jurisdiction exists over aquatic resources in the review area, or to provide an official delineation of jurisdictional aquatic resources in the review area, the Corps will provide an AJD to accomplish that result, as soon as is practicable. This PJD finds that there “*may be*” waters of the U.S. and/or that there “*may be*” navigable waters of the U.S. on the subject review area, and identifies all aquatic features in the review area that could be affected by the proposed activity, based on the following information:


SUPPORTING DATA. Data reviewed for PJD (check all that apply)

Checked items should be included in subject file. Appropriately reference sources below where indicated for all checked items:

- ☒ Maps, plans, plots or plat submitted by or on behalf of the PJD requestor:
Maps: Indiana GIO Library, IndianaMap, USGS, NWI
- ☒ Data sheets prepared/submitted by or on behalf of the PJD requestor.
☐ Office concurs with data sheets/delineation report.
☐ Office does not concur with data sheets/delineation report. Rationale: _____.
- ☐ Data sheets prepared by the Corps: _____.
- ☐ Corps navigable waters' study: _____.
- ☒ U.S. Geological Survey Hydrologic Atlas: USGS-TNM-NHD: Data Refreshed October, 2020.
☒ USGS NHD data.
☐ USGS 8 and 12 digit HUC maps.
- ☒ U.S. Geological Survey map(s). Cite scale & quad name: Shannondale, Hazelrigg, and Lebanon/ 1:24,000.
- ☒ Natural Resources Conservation Service Soil Survey. Citation: NRCS Web Soil Survey: Boone County.
- ☒ National wetlands inventory map(s). Cite name: USFWS NWI Data: Boone County.
- ☐ State/local wetland inventory map(s): _____.
- ☒ FEMA/FIRM maps: FEMA/FIRM Boone County, Indiana.
- ☐ 100-year Floodplain Elevation is: _____.(National Geodetic Vertical Datum of 1929)
- ☒ Photographs: ☒ Aerial (Name & Date): Boone County / 2016
or ☒ Other (Name & Date): Photos taken: October 7 & 8, 2020, July 6 and August 26, 2021
- ☐ Previous determination(s). File no. and date of response letter: _____.
- ☐ Other information (please specify): _____.

IMPORTANT NOTE: The information recorded on this form has not necessarily been verified by the Corps and should not be relied upon for later jurisdictional determinations.

Signature and date of
Regulatory staff member
completing PJD

 9-15-2021

Signature and date of
person requesting PJD
(REQUIRED, unless obtaining
the signature is impracticable)¹

¹ Districts may establish timeframes for requestor to return signed PJD forms. If the requestor does not respond within the established time frame, the district may presume concurrence and no additional follow up is necessary prior to finalizing an action.

From: McGill, Justus <JMcgill@indot.IN.gov>
Sent: Thursday, September 16, 2021 8:15 AM
To: Harlan Ford
Cc: Rehder, Crystal; Patton, Melissa
Subject: [EXT] RE: RE: Draft WOUS Report Submittal for Des No's 1800060 & 1900361: SR 32 Roadway Improvement Project in Boone County, Indiana

****** Please use caution this is an externally originating email. ******
Do not click on links or open attachments unless you recognize the sender and know the contents is safe.

Hello Harlan,

Thank you for submitting the waters report for **SR 32 Pipe Lining, DES 1800060 Auxiliary Lanes, Passing**. The approved report is attached through the link below and can also be found on Projectwise through this link: [Wetland - Waters](#). It is the responsibility of the Project Manager to forward a copy of this report to the Project Designer.

Please note that this version does included the EWPO specialist approval signature. Make sure to use this version with any document submittals.

The information in the Waters Report should be used by the Designer to determine if Waters of the U.S. or wetlands will be impacted by the project. Avoidance and minimization must occur before mitigation will be considered. If mitigation is required, the Project manager or Designer must include the mitigation work in their project design, request Environmental Services to work on the mitigation, or include the mitigation work in the design contract (if the design of the project is let).

<https://documentcloud.adobe.com/link/track?uri=urn:aaid:scds:US:a5a06331-336d-46dc-ae9-ad2b61ef0e07>

Thanks,

Justus McGill

Ecology and Waterway Permitting Office (Crawfordsville District)
100 N Senate Ave. Indianapolis, IN 46204

Office: (317)-509-7296

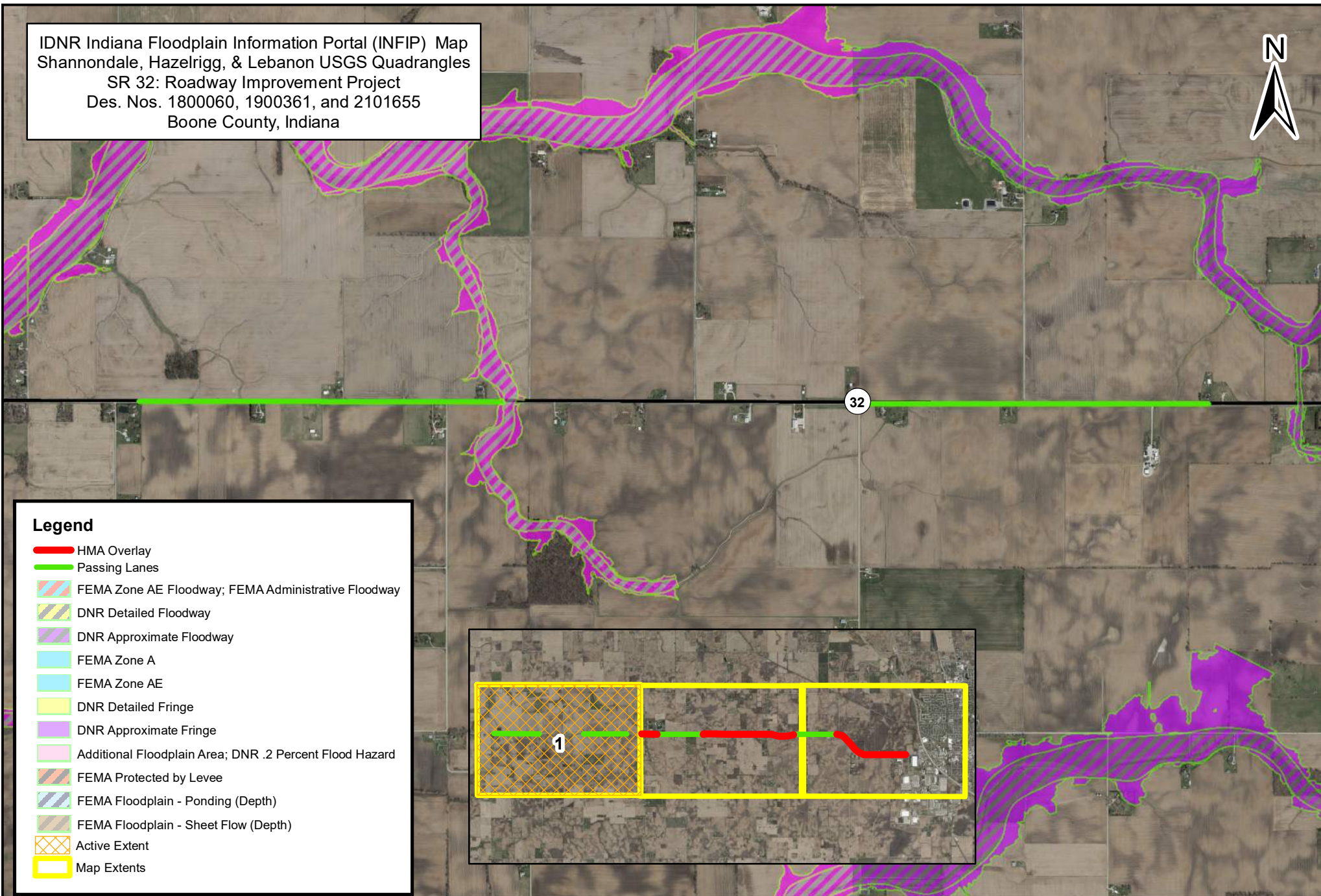
Office Hours: Mon to Fri 6:30am to 2:30pm.

Email: jmcgill@indot.in.gov



From: Harlan Ford <hford@rqaw.com>
Sent: Wednesday, September 15, 2021 10:24 AM
To: McGill, Justus <JMcgill@indot.IN.gov>
Subject: RE: [EXT] RE: [EXT] RE: Draft WOUS Report Submittal for Des No's 1800060 & 1900361: SR 32 Roadway Improvement Project in Boone County, Indiana

IDNR Indiana Floodplain Information Portal (INFIP) Map
 Shannondale, Hazelrigg, & Lebanon USGS Quadrangles
 SR 32: Roadway Improvement Project
 Des. Nos. 1800060, 1900361, and 2101655
 Boone County, Indiana

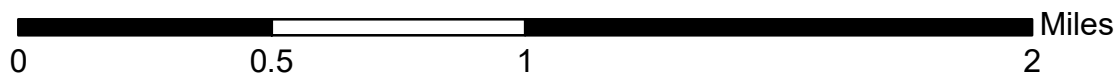


Legend

- HMA Overlay
- Passing Lanes
- FEMA Zone AE Floodway; FEMA Administrative Floodway
- DNR Detailed Floodway
- DNR Approximate Floodway
- FEMA Zone A
- FEMA Zone AE
- DNR Detailed Fringe
- DNR Approximate Fringe
- Additional Floodplain Area; DNR .2 Percent Flood Hazard
- FEMA Protected by Levee
- FEMA Floodplain - Ponding (Depth)
- FEMA Floodplain - Sheet Flow (Depth)
- Active Extent
- Map Extents

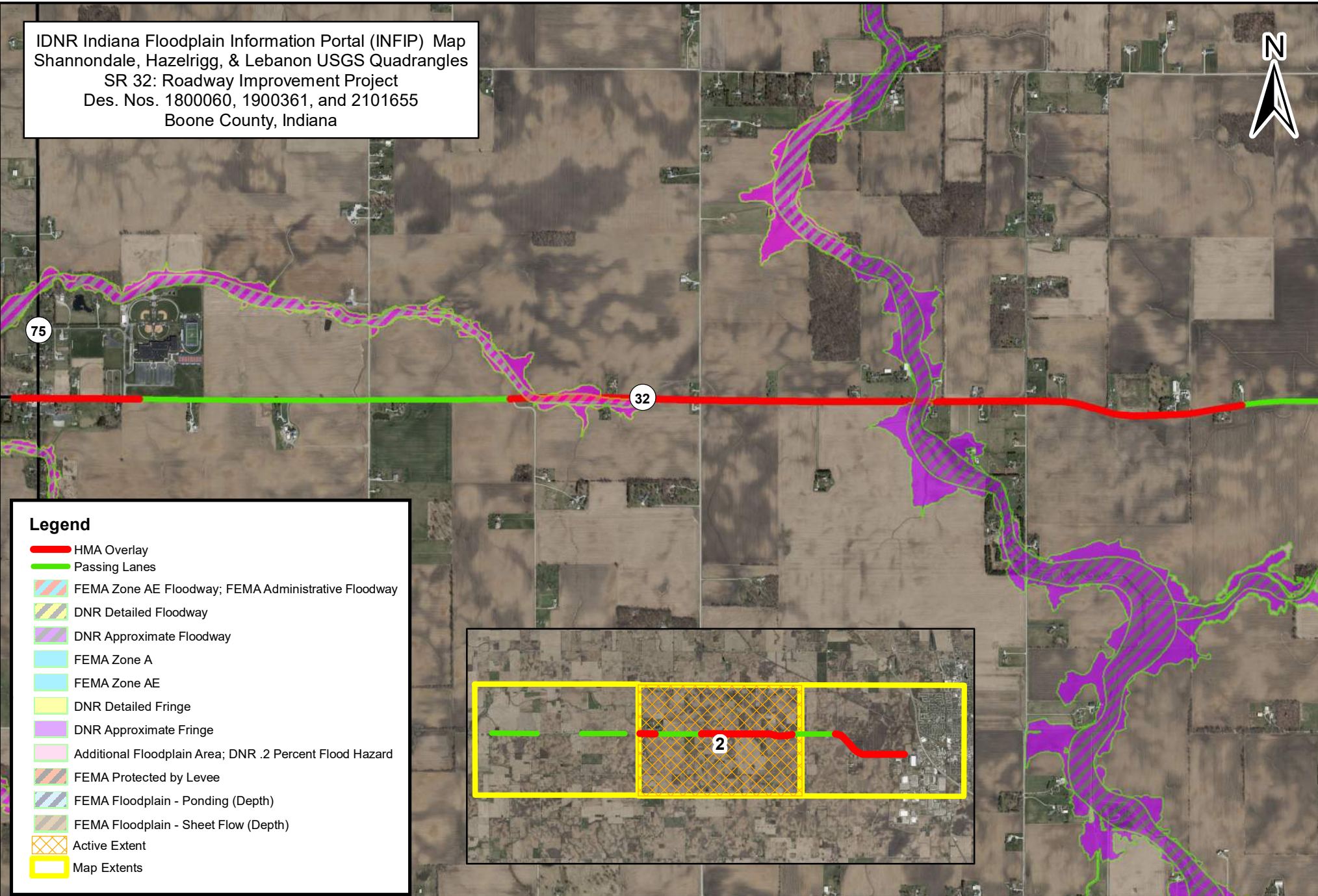


IDNR INFIP Map 1 of 3



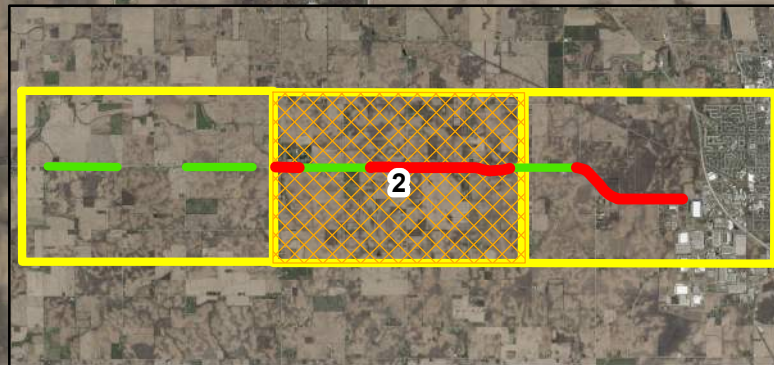
Township: Jefferson & Center
 County: Boone

IDNR Indiana Floodplain Information Portal (INFIP) Map
 Shannondale, Hazelrigg, & Lebanon USGS Quadrangles
 SR 32: Roadway Improvement Project
 Des. Nos. 1800060, 1900361, and 2101655
 Boone County, Indiana

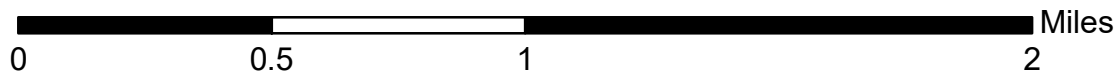


Legend

- HMA Overlay
- Passing Lanes
- FEMA Zone AE Floodway; FEMA Administrative Floodway
- DNR Detailed Floodway
- DNR Approximate Floodway
- FEMA Zone A
- FEMA Zone AE
- DNR Detailed Fringe
- DNR Approximate Fringe
- Additional Floodplain Area; DNR .2 Percent Flood Hazard
- FEMA Protected by Levee
- FEMA Floodplain - Ponding (Depth)
- FEMA Floodplain - Sheet Flow (Depth)
- Active Extent
- Map Extents



IDNR INFIP Map 2 of 3

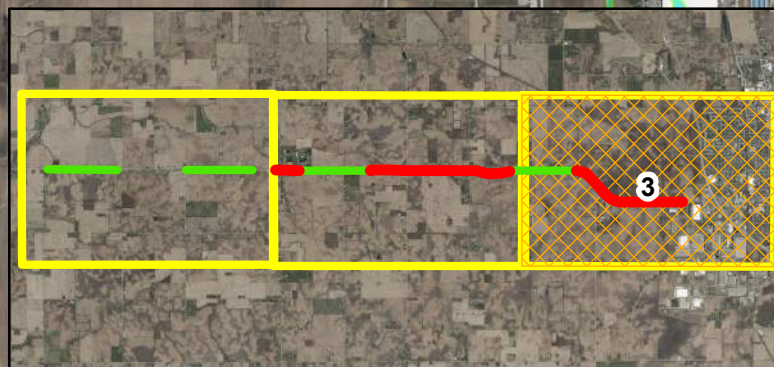


Township: Jefferson & Center
 County: Boone

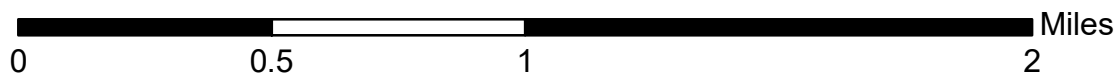
IDNR Indiana Floodplain Information Portal (INFIP) Map
 Shannondale, Hazelrigg, & Lebanon USGS Quadrangles
 SR 32: Roadway Improvement Project
 Des. Nos. 1800060, 1900361, and 2101655
 Boone County, Indiana

Legend

- HMA Overlay
- Passing Lanes
- FEMA Zone AE Floodway; FEMA Administrative Floodway
- DNR Detailed Floodway
- DNR Approximate Floodway
- FEMA Zone A
- FEMA Zone AE
- DNR Detailed Fringe
- DNR Approximate Fringe
- Additional Floodplain Area; DNR .2 Percent Flood Hazard
- FEMA Protected by Levee
- FEMA Floodplain - Ponding (Depth)
- FEMA Floodplain - Sheet Flow (Depth)
- Active Extent
- Map Extents



IDNR INFIP Map 3 of 3



Township: Jefferson & Center
 County: Boone

Categorical Exclusion

Appendix G

Public Involvement



March 23, 2020

Notice of Survey

RE: SR 32 from SR 75 to I-65, Des. No. 1800060 in Boone County, IN

Dear Property Owner,

Certified Engineering, Inc. and RQAW Corporation have been selected by INDOT for field and environmental survey of the above referenced project. Our information indicates that you own property near the above proposed roadway project. Certified Engineering, Inc. and RQAW Corporation will be performing a survey of the project area in the near future. **The survey work may include the identification and mapping of wetlands and historic resources, archaeological investigations (which may involve the survey, testing, or excavation of identified archaeological sites) and various other environmental studies.** The information we obtain from these studies is necessary for the proper planning and design of this transportation project. It may be necessary for representatives from Certified Engineering, Inc. or RQAW Corporation to enter your property to complete this work. This is permitted by law per Indiana Code (IC) 8-23-7-26. Anyone performing this type of work has been instructed to identify him or herself, if you are available, before they enter your property. If you no longer own this property or it is currently occupied by someone else, please let us know the name of the new owner or occupant so that we can contact them about the survey.

At this stage, we generally do not know what effect, if any, the project may eventually have on your property. If we later determine that your property is involved, you will be contacted with additional information.

The survey is needed for this project. Please be assured of our sincere desire to cause you as little inconvenience as possible during this survey.

If any problems do occur, please contact Jason Hesler of Certified Engineering, Inc. at (317) 546-1599 or at 3939 Millersville Road, Indianapolis, Indiana 46205. Thank you in advance for your cooperation.

Sincerely,

Certified Engineering, Inc.

A handwritten signature in black ink, appearing to read "JRH", is written over the printed name of Jason R. Hesler.

Jason R. Hesler, PE, PLS



INDIANA DEPARTMENT OF TRANSPORTATION

Crawfordsville District
41 West 300 North
Crawfordsville, Indiana 47933

PHONE: (855) 463-6848
FAX: (765) 364-9226

Eric Holcomb, Governor
Michael Smith, Commissioner

April 05, 2022

Re: Notice of Public Information Meeting
SR 32: Roadway Improvement Project in Boone County, Indiana
Des. Number(s): 1800060, 1900361, and 2101655

To whom it may concern:

The Indiana Department of Transportation (INDOT), Crawfordsville District will host a public information meeting regarding the proposed SR 32 Roadway Improvement Project in Boone County, Indiana. The meeting will be held on Monday, April 25, 2022, from 5:00 pm to 8:00 pm at the Western Boone Junior-Senior High School, 1205 IN-75, Thorntown, IN 46071. The meeting will inform the community of the project scope and schedule, describe preliminary design plans, and solicit input and comments from the community. The meeting will feature a brief presentation and a question and answer (Q&A) session. INDOT and their representatives will be available to address questions, comments, and concerns. Project maps, displays, and informational handouts will be available.

The project would include a functional Hot Mix Asphalt (HMA) minor structural overlay and the addition of 4 passing lanes (2 eastbound (EB) and 2 westbound (WB)) that would each be approximately 1 mile long. The HMA overlay portion of the project (Des No. 1900361) would be located on SR 32 from 0.05 mile W. of SR 75 to 0.5 mile W. of I-65, and the added passing lanes portion of this project (Des No. 1800060) would be located on SR 32 from 3.69 miles W. of SR 75 to 2.47 miles W. of I-65. In total, the proposed improvements would involve 6.62 miles of mill and resurface and approximately 4 miles of added passing lanes. New roadside ditches would need to be established within the passing lane areas. The proposed cross section for SR 32 within the HMA overlay portion would include two 12-foot wide travel lanes with 3-foot wide paved shoulders. In the 4 areas where the passing lanes would be installed, the cross section would include three 12-foot wide travel lanes with 3 foot paved shoulders. In addition, all small structures within the limits of the 4 passing lane locations would need to be replaced to facilitate the additional pavement width. Des No. 2101655 would include adding a raised curbed concrete island (approximately 6 inches in height) to better define the entrance to the Marathon gas station, located on the southwest corner of the SR 32/SR 75 intersection.

The maintenance of traffic plan will utilize phased construction to limit the impact to commuters during the passing lane construction. A road closure or detour route is not anticipated. After the passing lanes are constructed, the HMA overlay can be constructed by utilizing flagging operations. Two-way traffic is anticipated to be maintained along SR 32 and access to all properties would be maintained during construction. Project stakeholders, including local school corporations and emergency services, will be notified at least two weeks in advance of any construction that would block or limit access. Construction of the project will require additional permanent and temporary right-of-way. The estimated construction cost is \$13,250,000 with federal and local funds to be used.

The FHWA and INDOT have agreed the project falls within the guidelines of a Categorical Exclusion (CE) Level 2 environmental document.

Sincerely,

A handwritten signature in dark ink, appearing to read "R. Dylan Sievers". The signature is written in a cursive, flowing style.

Dylan Sievers

RQAW | RQAW Project Manager

AFFIDAVIT OF PUBLICATION

STATE OF INDIANA
County of Boone

City of Lebanon

ISSUED:

The subscriber, being duly sworn, deposes and says that
he (she) is the said Jennifer Hensley of THE LEBANON REPORTER
and that the foregoing notice for

LEGAL NOTICE OF PUBLIC IN

was published in said newspaper in two editions
of said newspaper issued between 04/12/2022 and 04/19/2022

Cost: 77.13

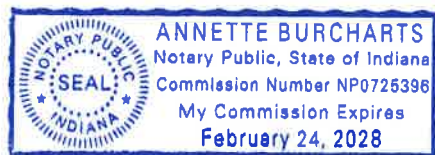


SUBSCRIBED AND SWORN BEFORE ME THIS
26th day of April, A.D. 2022



Annette Burcharts

Notary Public Seal, State of Indiana



INDIANA MEDIA GROUP
PO BOX 607
GREENSBURG IN 47240-0607
(877)253-7755
Fax (765)648-4229

ORDER CONFIRMATION (CONTINUED)

Salesperson: JENNIFER HENSLEY

Printed at 04/26/22 14:08 by jhen1

Acct #: 193856

Ad #: 1768440

Status: Expired

Legal Notice of Public Informational Meeting
The Indiana Department of Transportation (INDOT), Crawfordsville District will host a public information meeting regarding the proposed SR 32 Roadway Improvement Project in Boone County, Indiana. The meeting will be held on Monday, April 25, 2022, from 5:00 pm to 8:00 pm at the Western Boone Junior-Senior High School, 1205 IN-75, Thorntown, IN 46071. The meeting will inform the community of the project scope and schedule, describe preliminary design plans, and solicit input and comments from the community. The meeting will feature a brief presentation and a question and answer (Q&A) session. INDOT and their representatives will be available to address questions, comments, and concerns. Project maps, displays, and informational handouts will be available. The project would include a functional Hot Mix Asphalt (HMA) minor structural overlay and the addition of 4 passing lanes (2 eastbound (EB) and 2 westbound (WB)) that would each be approximately 1 mile long. The HMA overlay portion of the project (Des No. 1900361) would be located on SR 32 from 0.05 mile W. of SR 75 to 0.5 mile W. of I-65, and the added passing lanes portion of this project (Des No. 1800060) would be located on SR 32 from 3.69 miles W. of SR 75 to 2.47 miles W. of I-65. In total, the proposed improvements would involve 6.62 miles of mill and resurface and approximately 4 miles of added passing lanes. New roadside ditches would need to be established within the passing lane areas. The proposed cross section for SR 32 within the HMA overlay

portion would include two 12-foot wide travel lanes with 3-foot wide paved shoulders. In the 4 areas where the passing lanes would be installed, the cross section would include three 12-foot wide travel lanes with 3 foot paved shoulders. In addition, all small structures within the limits of the 4 passing lane locations would need to be replaced to facilitate the additional pavement width. Des No. 2101655 would include adding a raised curbed concrete island (approximately 6 inches in height) to better define the entrance to the Marathon gas station, located on the southwest corner of the SR 32/SR 75 intersection.

The maintenance of traffic plan will utilize phased construction to limit the impact to commuters during the passing lane construction. A road closure or detour route is not anticipated. After the passing lanes are constructed, the HMA overlay can be constructed by utilizing flagging operations. Two-way traffic is anticipated to be maintained along SR 32 and access to all properties would be maintained during construction. Project stakeholders, including local school corporations and emergency services, will be notified at least two weeks in advance of any construction that would block or limit access. Construction of the project will require additional permanent and temporary right-of-way. The estimated construction cost is \$13,250,000 with federal and local funds to be used.

The FHWA and INDOT have agreed the project falls within the guidelines of a Categorical Exclusion (CE) Level 2 environmental document. TLR-296 4/12, 19 hspaxlp 1768440



SR 32 Added Passing Lanes Monday, April 25, 2022



Welcome



- Introductions
- Meeting format – Formal Presentation, Open House
- Purpose of meeting
- Informal Q & A in project display area with project engineers and project officials
- Information packet



Introductions



- Indiana Department of Transportation (INDOT) –
Crawfordsville District Project Manager and
Representatives
- Design Team



Purpose of Meeting



- Introduce the project to the community
- Discuss the Purpose and Need for the project
- Present the conceptual design
- Discuss the project schedule
- Discuss the Environmental Process
- Address questions or concerns in the Open House
Setting



Purpose and Need



- The need for this project is due to the existing level of service and the deteriorated condition of the roadway.
- The purpose of this project is to maintain a LOS C for the year 2044. In addition, the purpose is to also restore the rideability of the pavement.



Project Location



Project Scope of Work



Minor Structural Overlay

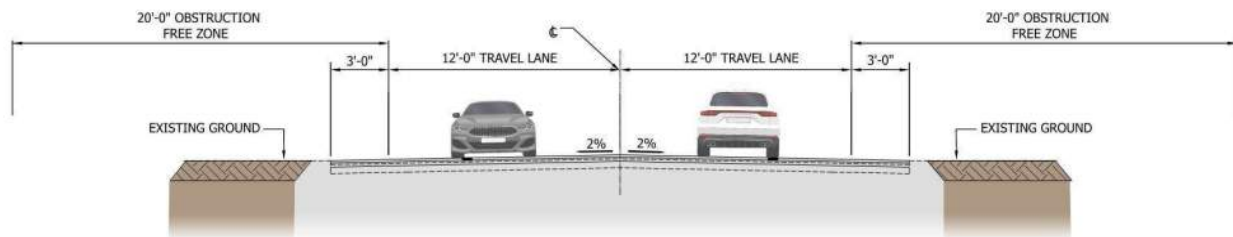
- Patch and mill/resurface roadway



Proposed Typical Section



Minor Structural Overlay



Project Scope of Work



Added Passing Lanes

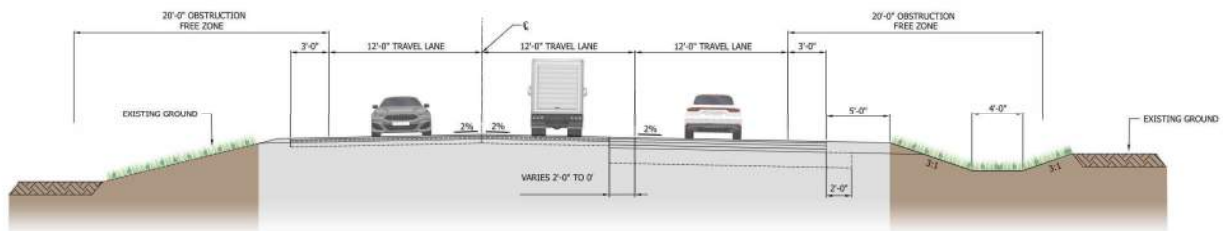
- Patch and mill/resurface existing road
- Add 12 ft. passing lane
- Add 3 ft. paved shoulder
- Add 5 ft. stone shoulder
- Establish new ditch along passing lane
- No roadside work to occur in overlay areas



Proposed Typical Section



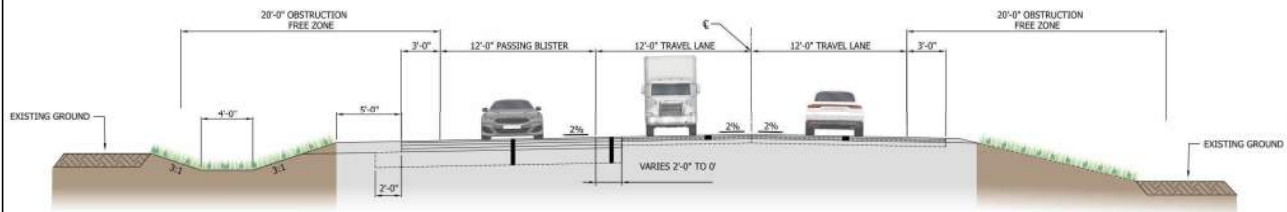
- Eastbound Passing Lane



Proposed Typical Section



- Westbound Passing Lane



Conceptual Maintenance of Traffic



Phase 1

Added Passing Lanes

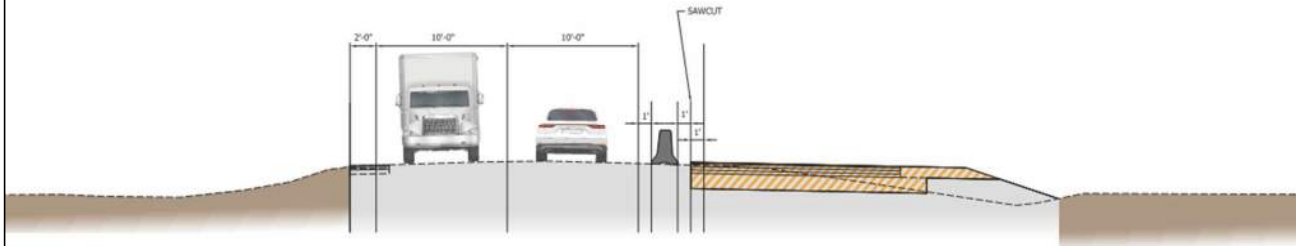
- Strengthen opposing shoulder to accommodate traffic.
- Construct passing lane behind temporary barrier wall



Maintenance of Traffic Typical Section



Phase 1 – Shoulder Strengthening/Added Passing Lanes



Conceptual Maintenance of Traffic



Phase 2

Minor Structural Overlay

- Mill/resurface utilizing flaggers.

Project Schedule



- Preliminary Field Check – May 2022
- Final Environmental Document Approval – November 2022
- Begin Right-of-Way Process – August 2022
- Letting – November 2023
- Begin Construction Season 1 – May 2024
- Begin Construction Season 2 – April 2025



Environmental Document



- **Environmental Document is being completed as a requirement to the National Environmental Policy Act (NEPA)**
- **Categorical Exclusion (CE) 2 under development**
 - NEPA requires evaluation of potential impacts to surrounding natural, cultural and social environments
 - Impacts are described in the environmental document
 - Requires opportunity for public involvement and comment in the decision-making process of said impacts



Elements of Environmental Documentation



- **Public involvement**
- **Right-of-way**
- **Streams & wetlands**
- Karst
- Threatened & endangered species
- Floodplains
- Farmland
- Historic & Archaeological
- Section 4(f) & 6(f)
- Air quality
- Noise
- Community impacts
- Environmental Justice
- Relocations
- Hazardous materials



Environmental Studies



- Section 106—procedural law that requires federal agencies to consider the effects of projects they carry out, approve or fund have on historic properties
- Meets the Minor Projects Programmatic Agreement (MPPA) Categories A & B



Next Steps



- **Draft CE for INDOT review**
- **Public Hearing anticipated in Fall 2022**
 - Public statements recorded at the public hearing
- **Final approval of CE**



Thank You



Thank you for attending.

Informal question and answer session will continue
in project display area.



Sign-in Sheet for the Public

Des. Number(s): 1800060, 1900631, and 2101655
SR 32, Roadway Improvement Project
Boone County, Indiana
April 25, 2022

No.	Name (Please print)	Address, City, State	Zip Code
1	John A. Bush	5595 W. SR. 32 Lebanon, IN	46052
2	Jana Anderson	280 N 300 W Lebanon, IN 46052	46052
3	Rick Ford	325 ADVANCE WEST WALLS JAMESTOWN IN	46147
4	CLIFTON CARTER	329 ADVANCE WEST WALL ST JAMESTOWN IN	46147
5	Donald Starcher	8481 W 200 S Jamestown In	46147
6	Joe LBN	414 SOUTH MAIN ST ADVANCE	46102
7	JEFF AVONY	3255 W SR 32 LEBANON	46052
8	Patty Healey		46052

Sign-in Sheet for the Public

Des. Number(s): 1800060, 1900631, and 2101655
SR 32, Roadway Improvement Project
Boone County, Indiana
April 25, 2022

No.	Name (Please print)	Address, City, State	Zip Code
9	Curtis Clanton	404 ADVANCE S. MAZ W JAMESTOWN	46147
10	MYRON CLARK Myron Clark	57400 W SR 32	46052
11	Lauren Connors	4755 SR 75	46147
12	Vivian Norman	7265 W SR 32	46052
13	Kasey Copeland	1550 N 500 W	46052
14	SHAWN TULLY	2163 CINNAMON CT PLAINFIELD IN	46168
15	Jana Secrest	3150 W. State Rd 32 Lebanon, IN	46052
16	Taylor Brindley	3655 W 150 S Lebanon, IN	46052

Sign-in Sheet for the Public

Des. Number(s): 1800060, 1900631, and 2101655

SR 32, Roadway Improvement Project

Boone County, Indiana

April 25, 2022

No.	Name (Please print)	Address, City, State	Zip Code
49	Bill & Sue Wallace	604 N. GRANT ST. Lebanon, IN	46052
50	Jane Taylor	6250 W. ST. Rd 32 Lebanon IN.	46052
51	Mike Fitts	1185 W. ST. Rd 32 Lebanon IN	46052
52	Vicky Landt & Mark Brantlett	2250 West St. Rd 32 Lebanon IN.	46052
53	Jim McCoy	1350 N 5600w, Lebanon	46052
54	Daniel A. Hume	4570 W. ST Rd 32	46052
55	ROBERT GARRUFFA	1380 N STATE RD 75	46071
56	Scott Walker	111 S. Market St. T. town	46071

Sign-in Sheet for the Public

Des. Number(s): 1800060, 1900631, and 2101655
SR 32, Roadway Improvement Project
Boone County, Indiana
April 25, 2022

No.	Name (Please print)	Address, City, State	Zip Code
57	SON SHEPHERD	1195 N 250 W	46052
58	Sally Shepherd	1195 N 250 W	46052
59	Tammy Clanton	404 Advance S. Main	46147
60	Kathy Clawson	9683 N SR 32	46147
61	Michael Gargan	1025 N. 500 W.	46052
62	Mick Norman	7265 W. St. Rd. 32	46052
63	Lisa Pearson	5855 W 200 N Lebanon	46052
64	ERIC E. LAINE	725 N. SR 75	46052

Sign-in Sheet for the Public

Des. Number(s): 1800060, 1900631, and 2101655
SR 32, Roadway Improvement Project
Boone County, Indiana
April 25, 2022

No.	Name (Please print)	Address, City, State	Zip Code
81	Mary Malaterre	4730 W St. RD 32 Lebanon IN	46052
82	Bob & Linda GARRAX	1398 S West 500 Lebanon IN	46052
83	Ed Strawmeyer	5483 N 275 W Lebanon IN	46052
84	Huget Strawmeyer	1735 W SR 47 Lebanon	46052
85	Mark Tranter	1540 N 1000 W Thorntown	46071
86	Rob Ramey (WRCCSC)	1201 N. St. Rd. 75 Thorntown, IN 46071	46071
87	Carol Ball	4350 W. STATE RD. 32 LEBANON, IN. 46052	46052
88	LARRY BALL	11 11	11

Sign-in Sheet for the Public

Des. Number(s): 1800060, 1900631, and 2101655
SR 32, Roadway Improvement Project
Boone County, Indiana
April 25, 2022

No.	Name (Please print)	Address, City, State	Zip Code
89	Rachel Erickson	8149 W 100 S Jamestown	46147
90	Brent Miller	8170 W 100 S Jamestown	46147
91	Susan McAtfee	1925 W St Rd 32 Lebanon, IN	46052
92	Jeff McLean	'/	1/
93	STEVE SENHOWER	LEBANON, IN	
94	Brian Rogers	Lebanon IN	46052
95	John Merson	Thornburn	46071
96	Kach Esse	Lebanon, IN	46054

Sign-in Sheet for the Public

Des. Number(s): 1800060, 1900631, and 2101655
SR 32, Roadway Improvement Project
Boone County, Indiana

April 25, 2022

No.	Name (Please print)	Address, City, State	Zip Code
97	Brittany Clayton-Essex	5143 W SR 32. Lebanon, IN 46	46052
98	Mary Bolk	695 N 650 W Lebanon, IN	46052
99	Charles & Shirley Behrens	7655 W STATE ROAD 32	46052
100	Edward Golt	8564 W 800 S Jamestown IN	46147
101	Amanda Shockey	8035 W St Rd 32, Thorntown	46071
102	Rick & Melissa Carter	2306 N 500 W	46052
103	Estel Rhoton	4445 N 600 W	46052
104	Nicole Malatene	4730 SR 32	46052

Categorical Exclusion

Appendix H

Air Quality

Indiana Department of Transportation (INDOT)
State Preservation and Local Initiated Projects FY 2022 - 2026

SPONSOR	CONTR ACT # / LEAD DES	STIP NAME	ROUTE	WORK TYPE	LOCATION	DISTRICT	MILES	FEDERAL CATEGORY	Total Cost of Project*	PROGRAM	PHASE	FEDERAL	MATCH	2022	2023	2024	2025	2026
Indiana Department of Transportation	42253 / 1800060	Init.	SR 32	Auxiliary Lanes, Passing	from 3.69 mi W of SR 75 to 2.47 mi W of I-65	Crawfordsville	8.28	STBG	\$16,044,564.00	Mobility Construction	CN	\$6,336,493.60	\$1,584,123.40			\$7,920,617.00		
										Mobility ROW	RW	\$200,000.00	\$50,000.00		\$250,000.00			
										Road Construction	CN	\$4,261,517.60	\$1,065,379.40			\$5,326,897.00		
Performance Measure Impacted: Reliability and Freight Reliability																		
Comments:Include DES 1900361, 1800060																		
Indiana Department of Transportation	42255 / 1900313	Init.	SR 47	Small Structure Replacement	over Buntin Ditch, 1.08 mi N of SR 39	Crawfordsville	0	STBG	\$804,166.00	Bridge ROW	RW	\$4,000.00	\$1,000.00			\$5,000.00		
										Bridge Construction	CN	\$528,852.80	\$132,213.20			\$661,066.00		
Performance Measure Impacted: Bridge Condition																		
Comments:Include DES 1900313																		
Indiana Department of Transportation	42923 / 2000111	Init.	SR 32	Bridge Thin Deck Overlay	1.55 mi E of SR 39, over Prairie Creek	Crawfordsville	0	STBG	\$1,131,533.00	Bridge Construction	CN	\$816,906.40	\$204,226.60		\$1,021,133.00			
Performance Measure Impacted: Bridge Condition																		
Comments:Include DES 1800654, 1800662, 2000112, 2000118, 2000111																		
Indiana Department of Transportation	42945 / 2000387	Init.	SR 47	Bridge Deck Overlay	0.48 mi N of SR 75, over Prairie Creek	Crawfordsville	0	STBG	\$2,702,468.00	Bridge Construction	CN	\$1,751,414.40	\$437,853.60			\$2,189,268.00		
										Bridge Consulting	PE	\$16,000.00	\$4,000.00	\$20,000.00				
Performance Measure Impacted: Bridge Condition																		
Comments:Include DES 2000625, 2000636, 2000660, 2000387																		
Indiana Department of Transportation	43010 / 2000160	Init.	I 65	Interchange Modification	I-65 and Lafayette Ave. SB exit ramp 1.25 mi N of SR 32 interchange; 0.60 mi S of US 52	Crawfordsville	.4	NHPP	\$10,236,000.00	Mobility Consulting	PE	\$13,500.00	\$1,500.00	\$15,000.00				
										Mobility ROW	RW	\$22,500.00	\$2,500.00	\$25,000.00				
										Mobility Construction	CN	\$8,100,000.00	\$900,000.00	\$9,000,000.00				
Performance Measure Impacted: Safety																		
Comments:Include DES 2101302, 2000160																		
Indiana Department of Transportation	43021 / 1902651	Init.	I 65	Rest Area Modernization	Lebanon Rest Areas - Truck Parking Conversion	Crawfordsville	1.01	NHPP	\$9,009,871.00	Statewide Consulting	PE	\$728,325.00	\$80,925.00	\$809,250.00				
										Statewide Construction	CN	\$7,283,250.00	\$809,250.00		\$8,092,500.00			
Performance Measure Impacted: Reliability and Freight Reliability																		
Comments:Include DES 1902651																		

*Estimated Costs left to Complete Project column is for costs that may extend beyond the four years of a STIP. This column is not fiscally constrained and is for information purposes.

Categorical Exclusion

Appendix I

Additional Studies

Land and Water Conservation Fund (LWCF) County Property List for Indiana (Last Updated March 2022)

ProjectNumber	SubProjectCode	County	Property
1800485	1800485	Boone	Nancy Burton Park
1800520	1800520	Boone	Zion Park
1800573	1800573	Boone	Heritage Trail Park
1800604	1800604	Boone	Overly-Worman Park
1800607	1800607	Boone	Anson Park

*Park names may have changed. If acquisition of publically owned land or impacts to publically owned land is anticipated, coordination with IDNR, Division of Outdoor Recreation, should occur.

Environmental Justice Analysis

Analysis of Two Census Tracts in Boone County, Indiana

		COC	AC1	AC2
		Boone County, Indiana	Census Tract 8102, Boone County, Indiana	Census Tract 8103, Boone County, Indiana
LOW-INCOME				
B17001001	Population for whom poverty status is determined: Total	64,662	3,801	5,951
B17001002	Population for whom poverty status is determined: Income in past 12 months below poverty level	3,848	204	509
Percent Low-income		6.0%	5.4%	8.6%
125 Percent of COC		7.4%	AC ≤ 125% COC	AC ≤ 125% COC
Potential Low-income EJ Impact?			No	Yes
MINORITY				
B03002001	Total population: Total	65544	3807	6289
B03002002	Total population: Not Hispanic or Latino	63578	3787	6115
B03002003	Total population: Not Hispanic or Latino; White alone	59387	3756	5961
B03002004	Total population: Not Hispanic or Latino; Black or African American alone	1137	0	41
B03002005	Total population: Not Hispanic or Latino; American Indian and Alaska Native alone	140	0	5
B03002006	Total population: Not Hispanic or Latino; Asian alone	1943	21	0
B03002007	Total population: Not Hispanic or Latino; Native Hawaiian and Other Pacific Islander alone	0	0	0
B03002008	Total population: Not Hispanic or Latino; Some other race alone	60	10	0
B03002009	Total population: Not Hispanic or Latino; Two or more races	911	0	108
B03002010	Total population: Hispanic or Latino	1966	20	174
B03002011	Total population: Hispanic or Latino; White alone	1450	6	131
B03002012	Total population: Hispanic or Latino; Black or African American alone	0	0	0
B03002013	Total population: Hispanic or Latino; American Indian and Alaska Native alone	0	0	0
B03002014	Total population: Hispanic or Latino; Asian alone	0	0	0
B03002015	Total population: Hispanic or Latino; Native Hawaiian and Other Pacific Islander alone	0	0	0
B03002016	Total population: Hispanic or Latino; Some other race alone	302	7	43
B03002017	Total population: Hispanic or Latino; Two or more races	214	7	0
Number Non-white/minority (B03002001-B03002003)		6,157	51	328
Percent Non-white/Minority		9.4%	1.3%	5.2%
125 Percent of COC		11.7%	AC ≤ 125% COC	AC ≤ 125% COC
Potential Minority EJ Impact?			No	No

1 Results

CLOSE

DOWNLOAD

DOWNLOAD SELECTED (0)

SELECTION MAP

HISPANIC OR LATINO ORIGIN BY RACE

Survey/Program: American Community Survey

Years: 2019, 2018, 2017, 2016, 2015, 2014, 2013, 2012, 2011, 2010

Table: B03002

Accessibility

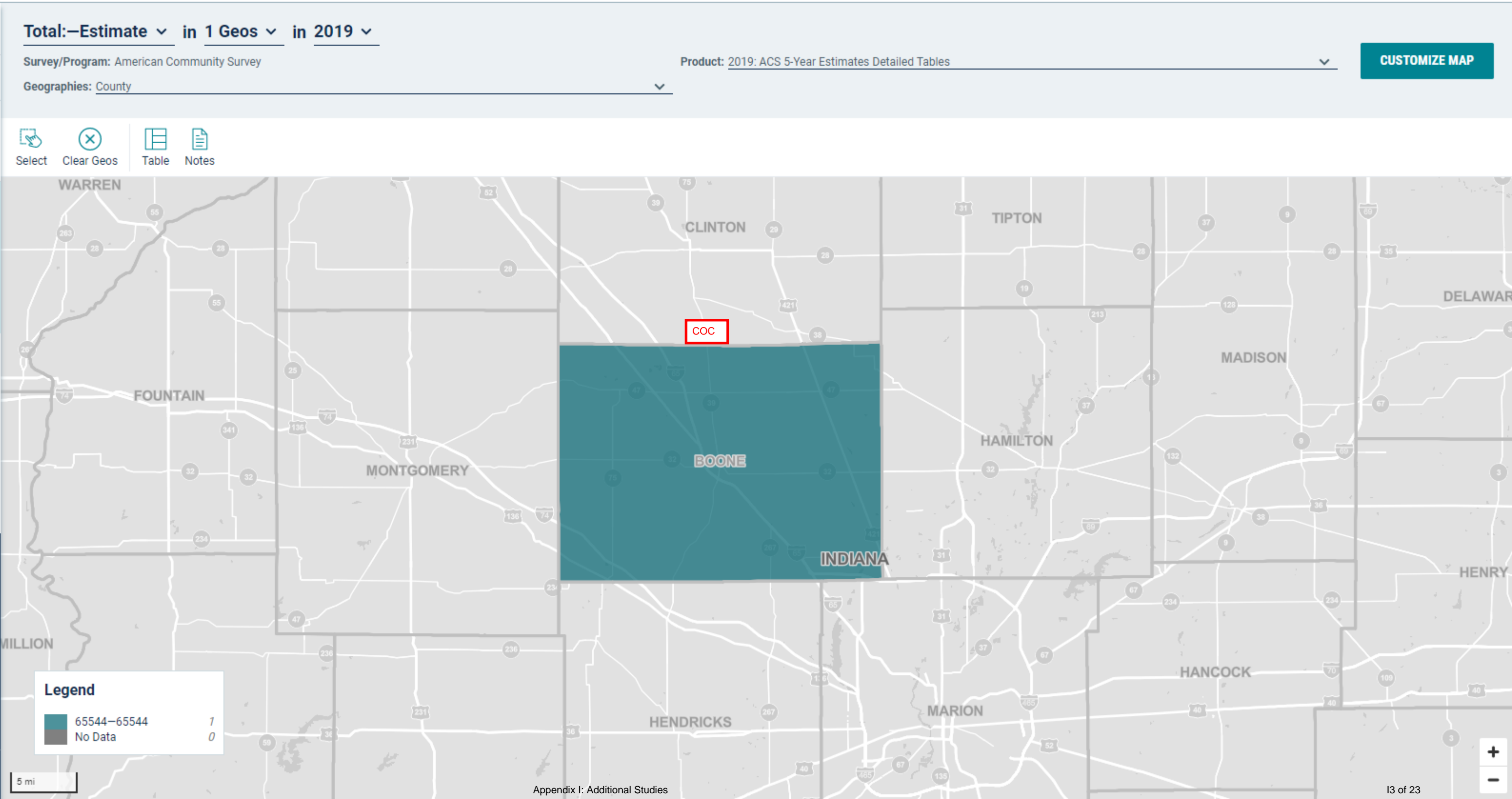
Information Quality

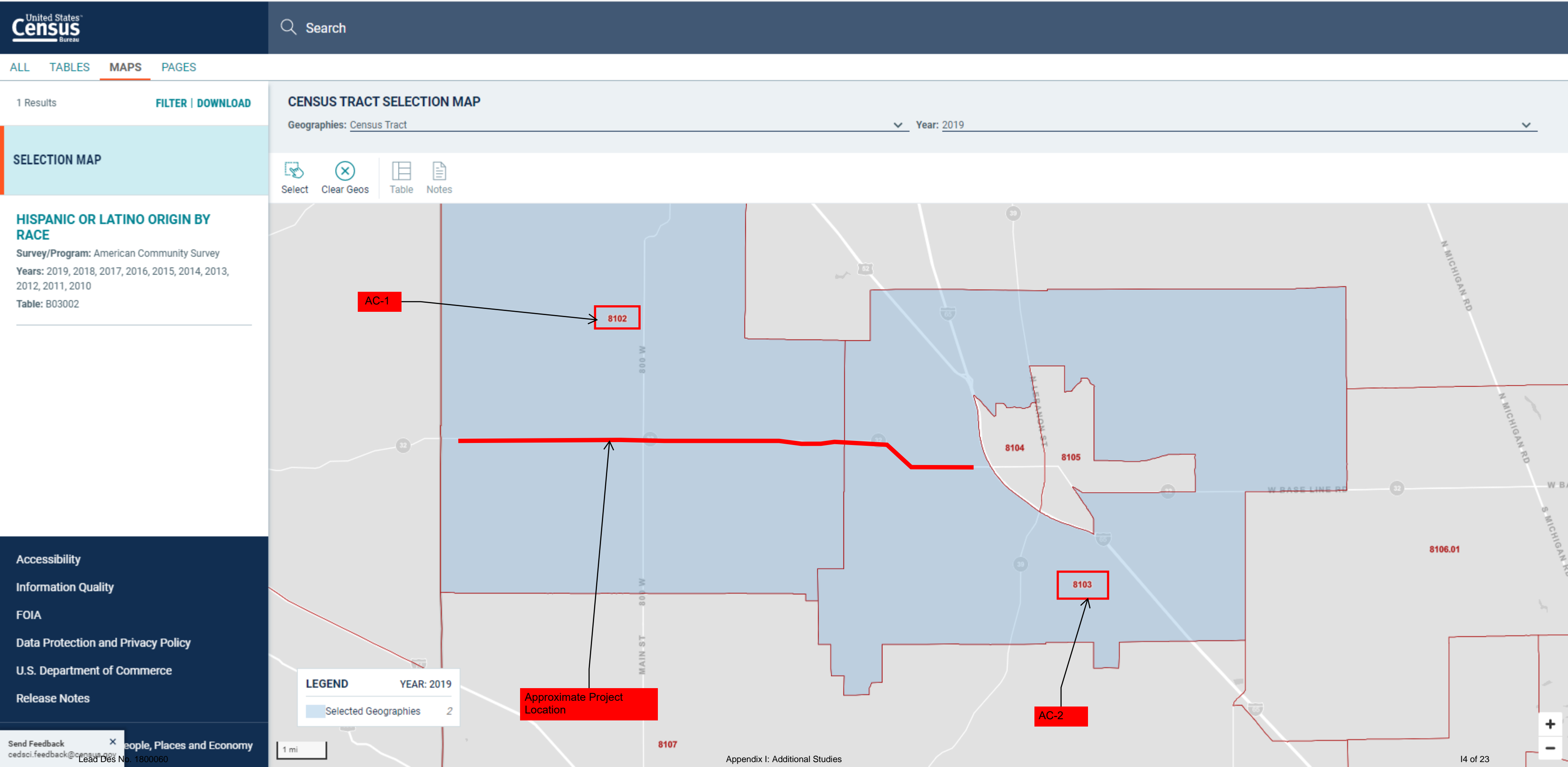
FOIA

Data Protection and Privacy Policy

U.S. Department of Commerce

Release Notes





COC

AC-1

AC-2

	Boone County, Indiana		Census Tract 8102, Boone County, Indiana		Census Tract 8103, Boone County, Indiana	
Label	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error
Total:	64,662	±199	3,801	±242	5,951	±350
Income in the past 12 months below poverty level:	3,848	±759	204	±110	509	±258
Male:	1,607	±373	85	±62	175	±115
Under 5 years	105	±70	8	±13	17	±27
5 years	0	±28	0	±12	0	±17
6 to 11 years	264	±115	17	±18	27	±42
12 to 14 years	124	±79	17	±18	0	±17
15 years	40	±38	0	±12	0	±17
16 and 17 years	18	±22	3	±5	0	±17
18 to 24 years	255	±172	12	±20	20	±35
25 to 34 years	198	±76	13	±16	26	±34
35 to 44 years	183	±118	3	±6	23	±37
45 to 54 years	132	±80	6	±9	4	±9
55 to 64 years	173	±83	0	±12	18	±26
65 to 74 years	46	±36	0	±12	18	±20
75 years and over	69	±42	6	±7	22	±28
Female:	2,241	±467	119	±59	334	±164
Under 5 years	134	±89	4	±7	25	±37
5 years	18	±19	0	±12	0	±17
6 to 11 years	134	±85	0	±12	34	±54
12 to 14 years	81	±48	0	±12	0	±17
15 years	22	±36	0	±12	22	±36
16 and 17 years	114	±77	0	±12	0	±17
18 to 24 years	360	±150	19	±22	60	±67
25 to 34 years	323	±136	29	±26	58	±65
35 to 44 years	434	±211	20	±18	34	±39
45 to 54 years	197	±88	17	±17	25	±26
55 to 64 years	223	±89	24	±25	38	±38
65 to 74 years	92	±49	3	±5	11	±16
75 years and over	109	±62	3	±4	27	±31
Income in the past 12 months at or above poverty level:	60,814	±811	3,597	±255	5,442	±406
Male:	30,443	±434	1,854	±173	2,595	±271
Under 5 years	2,036	±124	104	±49	206	±146
5 years	504	±158	61	±47	87	±79
6 to 11 years	2,931	±280	138	±65	140	±101
12 to 14 years	1,417	±232	72	±56	84	±72
15 years	515	±131	25	±22	47	±45
16 and 17 years	955	±122	68	±58	106	±89
18 to 24 years	2,260	±199	144	±63	195	±95
25 to 34 years	3,493	±146	161	±55	188	±88
35 to 44 years	4,178	±194	243	±58	310	±73
45 to 54 years	4,647	±164	248	±67	442	±118
55 to 64 years	3,950	±95	291	±52	453	±126
65 to 74 years	2,314	±54	203	±64	166	±76
75 years and over	1,243	±57	96	±36	171	±73
Female:	30,371	±517	1,743	±148	2,847	±274
Under 5 years	1,868	±157	74	±48	70	±65
5 years	475	±144	28	±24	46	±50
6 to 11 years	2,532	±262	82	±50	182	±91
12 to 14 years	1,504	±265	72	±53	127	±67
15 years	418	±111	39	±27	20	±32
16 and 17 years	863	±122	72	±44	30	±35
18 to 24 years	1,955	±151	152	±57	264	±159
25 to 34 years	3,565	±163	157	±58	227	±96
35 to 44 years	4,172	±216	243	±58	327	±106
45 to 54 years	4,715	±188	253	±56	364	±134
55 to 64 years	4,056	±114	270	±79	518	±125
65 to 74 years	2,534	±69	166	±47	507	±109
75 years and over	1,714	±117	135	±62	165	±89

COC

AC-1

AC-2

	Boone County, Indiana		Census Tract 8102, Boone County, Indiana		Census Tract 8103, Boone County, Indiana	
Label	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error
Total:	65,544	*****	3,807	±242	6,289	±356
Not Hispanic or Latino:	63,578	*****	3,787	±239	6,115	±362
White alone	59,387	±45	3,756	±240	5,961	±361
Black or African American alone	1,137	±186	0	±12	41	±34
American Indian and Alaska Native alone	140	±80	0	±12	5	±11
Asian alone	1,943	±169	21	±24	0	±17
Native Hawaiian and Other Pacific Islander alone	0	±28	0	±12	0	±17
Some other race alone	60	±45	10	±15	0	±17
Two or more races:	911	±251	0	±12	108	±75
Two races including Some other race	36	±53	0	±12	0	±17
Two races excluding Some other race, and three or more races	875	±247	0	±12	108	±75
Hispanic or Latino:	1,966	*****	20	±19	174	±154
White alone	1,450	±246	6	±9	131	±140
Black or African American alone	0	±28	0	±12	0	±17
American Indian and Alaska Native alone	0	±28	0	±12	0	±17
Asian alone	0	±28	0	±12	0	±17
Native Hawaiian and Other Pacific Islander alone	0	±28	0	±12	0	±17
Some other race alone	302	±177	7	±13	43	±51
Two or more races:	214	±155	7	±10	0	±17
Two races including Some other race	128	±130	4	±7	0	±17
Two races excluding Some other race, and three or more races	86	±80	3	±6	0	±17

Harlan Ford

From: Fair, Terri <TFair@indot.IN.gov>
Sent: Monday, March 28, 2022 4:37 PM
To: Harlan Ford
Cc: Bales, Ronald
Subject: [EXT] FW: [EXT] FW: Review Request for Environmental Justice Analysis for Des No's 1800060 & 1900361
Attachments: EJ Analysis in CE text.pdf

****** Please use caution this is an externally originating email. ******

Do not click on links or open attachments unless you recognize the sender and know the contents is safe.

INDOT-Environmental Services Division (ESD) has reviewed the project information along with the Environmental Justice (EJ) Analysis for the above referenced project. With the information provided, the project may require right-of-way, require no relocations, and would not disrupt community cohesion or create a physical barrier. With the information provided, INDOT-ESD would not consider the impacts associated with this project as causing a disproportionately high and adverse effect on minority and/or low-income populations of EJ concern relative to non EJ populations in accordance with the provisions of Executive Order 12898 and FHWA Order 6640.23a. No further EJ Analysis is required.

Abbreviated Engineer's Assessment
SR 32 Passing Lane/Minor Structural Overlay
From 3.69 mi W of SR 75 to 0.5 W of I-65
Des. No. 1800060 and Des. No. 1900361
December 8, 2020

Prepared for:
Crawfordsville District of INDOT
Crawfordsville, Indiana

Prepared by:



8770 North St, Ste 110
Fishers, IN 46038

PURPOSE OF REPORT

The purpose of this report is to document the engineering assessment phase of project development, including all coordination that has been completed in preparation for this road project. This document outlines the proposal and is intended to serve as a guide for subsequent survey, design, environmental, right of way and other project activities leading to construction. The preferred alternative identified in this document is considered predecisional, pending the outcome of environmental studies.

PROJECT LOCATION

The HMA Minor Structural Overlay part of this project is located on SR 32 starting at RP 52+38, 0.05 miles west of the SR 75 junction and goes to RP 59+00, 0.5 miles west of I-65. It is further described as being S26, T19N, R2W; S25, T19N, R2W; S30, T19N, R1W; S29, T19N, R1W; S28, T19N, R1W; S33, T19N, R1W; S34, T19N, R1W; and S35, T19, R1W; in Jefferson Township in Boone County. The coordinates of the HMA Minor Structural Overlay are Latitude: 40° 03' 15.81" and Longitude: -86° 37' 14.51" and ends at Latitude: 40° 02' 47.77" and Longitude: -86° 29' 56.80".

The added passing lanes part of this project is located on SR 32 starting at RP 48+74, 3.69 miles west of SR 75 and goes to RP 57+05 2.47 miles west of I-65. It is further described as being in S30, T19N, R2W; S29, T19N, R2W; S28, T19N, R2W; S27, T19N, R2W; S26, T19N, R2W; S25, T19N, R2W; S30, T19N, R1W; S29, T19N, R1W; and S28, T19N, R1W; in Jefferson Township in Boone County, Indiana. The coordinates of the start of the added travel lanes are Latitude: 40° 03' 17" and Longitude: -86° 41' 27" and end at Latitude: 40° 03' 14" and Longitude: -86° 31' 50".

PROJECT NEED AND PURPOSE

The purpose of this project is to keep the minimum level of service of C through the 2044 projected traffic volumes. Additionally, the purpose of the project is to reduce the percent time following.

Currently, SR 32 between Shannondale and Lebanon is about 8.5 miles long and averages approximately 32% no passing zones. It is a major truck route connecting I-74 to I-65. It typically sees 8,770 AADT. The percent time spent following ranges from 57% to 66% and is projected to increase to 67% to 75% in 20 years. If nothing is done to this roadway, it is expected that the roadway LOS will drop from a C to a D by 2044.

The purpose of the pavement treatment portion of the project is to address the pavement condition of the mainline and shoulders. The treatment should seal the pavement against water infiltration, improve surface smoothness, and reduce structural and functional crack density to a like new condition.

During a field investigation of the site, rutting was observed in both wheel paths of the existing pavement section between RP 48+74 and RP 57+05. Also, there is a large amount of longitudinal cracking with crack sealant. The crack sealant will temporarily reduce water infiltration. However, if water is able to penetrate the crack sealant, it can cause substantial damage to the pavement structural.

EXISTING FACILITY

The following data of the existing pavement attributes only apply to the existing facility unless specified. Certain data for the passing lanes aren't available because the passing lanes currently do not exist.

A. Roadway Classification

1. Pavement Section ID: 1939
2. RP
 - a. Minor Structural Overlay: from RP 52+38 to RP 59+00
 - b. Added Passing Lanes: from RP 48+74 to RP 57+05
3. Project Length: 6.62 miles
4. Number of Through Lanes:
 - a. Minor Structural Overlay: 2
 - b. Added Passing Lanes: 2
5. Number of Lane Miles
 - a. Minor Structural Overlay: 17.29
 - b. Added Passing Lanes: 9
6. Pavement Area
 - a. Minor Structural Overlay: 121,720 SYS
 - b. Added Passing Lanes: 84,480 SYS
7. Pavement Type: HMA
8. County: Boone
9. Subdistrict: Frankfort/Crawfordsville

B. Roadway Classification

- 10. Functional Class – Rural Minor Arterial
- 11. On NHS Route? No
- 12. On NTN Route? Yes
- 13. Number of Large Culverts: 4
 - a. Passing Lanes (Addressed with Project)
 - i. 1
 - b. Minor Structural Overlay (Coordinated with District)
 - i. 3
- 14. Number of Small Culverts: 28
 - a. Passing Lanes (Addressed with Project)
 - i. 15
 - b. Minor Structural Overlay (Coordinated with District)
 - i. 13
- 15. Design Speed – 55 mph
- 16. Terrain – Level
- 17. Access Control – None
- 18. Travel Lane Width – 12 ft Existing
- 19. Shoulder Width – 3 ft paved

C. Pavement History

- 20. The last overlay was performed in 2006. Based on existing plans database, the last known full depth construction was performed in 1960.

D. Condition Data:

- 21. Data year: 2017
- 22. Functional Cracking: 79%
- 23. Structural Cracking: 5%
- 24. Average Rut: 0.28 inches
- 25. Average IRI: 73 in/mile

TRAFFIC DATA

The traffic data was derived from the Traffic Count Database System with the most recent count down in 2020. A growth rate of 0.66 percent was chosen for this part of the county as it retains large tracts of agricultural land in production and limited housing stock and no nearby subdivisions. Projection of the traffic count is as follows:

TRAFFIC DATA			
A.A.D.T	(2020)	9,349	V.P.D.
A.A.D.T	(2044)	10,825	V.P.D.
D.H.V	(2044)	987	V.P.H.
DIRECTIONAL DISTRIBUTION		49.0	%
TRUCKS		23.22	% AADT
		16.20	% DHV

DESIGN CRITERIA

E. Passing Lanes

Functional Classification	Rural Minor Arterial
Design Classification	Rehabilitation (Non-Freeway)
Design Speed	55 mph
Cross Sectional Elements:	
Lane Width	12 ft (required)
Shoulder Width	8 ft usable (3 ft paved)
Obstruction Free Zone	20 ft
IDM Reference Table	55-3A

F. Minor Structural Overlay

Functional Classification	Rural Minor Arterial
Design Classification	Partial 3R (Non-Freeway)
Design Speed	55 mph
Cross Sectional Elements:	
Lane Width	12 ft (required)
Shoulder Width	3 ft paved
Obstruction Free Zone	20 ft
IDM Reference Table	56-4A, 56-4E, 56-4F

IDENTIFICATION OF PROPOSAL

The HMA minor structural overlay project will be located on SR 32, from 0.05 mi W of SR 75 to 0.5 mi W of I-65 and the added passing lanes project will be located on SR 32 from 3.69 mi W of SR 75 to 2.47 mi W of I-65. The roadway design classification is Rural Minor Arterial. The proposed improvements will involve 6.62 miles of mill and resurface and approximately 4 miles of added passing lanes.

The extents of the passing lanes east of SR 75 were agreed upon by INDOT and the consultant traffic engineer. However, the extents of the 2 passing lanes west of SR 75 differed. Due to this, INDOT has agreed for the consultant traffic engineer to perform a crash analysis to determine the exact location of these passing lanes.

This project will perpetuate existing drainage where possible. There are several locations where the ditches are no longer defined. Proposed ditches will be developed in these areas during the design process. Also, new ditches will be established in the passing lane areas.

No-action (or no build) and Added Passing Lanes/HMA Minor Structural Overlay were the two alternatives considered for this project. The no-action alternative would not disrupt the facility and would require no additional cost to maintain continued use but does not address the deficiencies present in the pavement and traffic flow. The no-action alternative is not recommended.

The recommended alternative is to overlay the existing pavement and add passing lanes. The existing facilities are projected to have a poor Level of Service. Overlaying the existing facilities and adding travel lanes will address the pavement condition of the mainline and shoulders as well as improve the level of service on a major truck route.

The proposed cross section will be two 12-foot travel lanes with 3-foot paved shoulders. The added passing lane will be 12-foot with a 3-foot paved shoulder. All mailbox approaches will be built in accordance to the INDOT Standard Drawings.

It is anticipated that utilities will need to relocate their facilities and the design engineer shall coordinate early in the project development with the utility companies and the INDOT Utility Manager.

TRAFFIC MAINTENANCE DURING CONSTRUCTION

The maintenance of traffic plan for the added passing lanes will be phased construction to limit the impact to commuters during the passing lane construction. Barrier wall will be utilized to protect the traveling public, as well as, provide worker safety. During the design phase, it will be determined if the existing shoulders will be needed to shift traffic. If so, shoulder strengthening will be implemented into the design.

Once the passing lanes are complete, the minor structural overlay can be constructed with a flagging operation. The length of the construction zone will be analyzed during the design process to reduce the impacts to the traveling motorists.

ENVIRONMENTAL IMPACTS & PERMITS

A Categorical Exclusion Level 2 (CE-2) or Level 4 (CE-4) document is anticipated for this type of project. An in-depth Red Flag Investigation and review of the Indiana Department of Environmental Management (IDEM) Virtual File Cabinet should be completed for the project due to the presence of multiple hazardous material sites mapped along the project corridor.

A preliminary survey identified no above-ground resources listed in the National Register and no resources likely eligible for listing in the National Register. The two “Outstanding” resources identified in the Boone County Interim Report near the project area have been demolished. It is anticipated that the project will fall under the Minor Projects Programmatic Agreement for Section 106, pending the findings of a necessary archaeology survey. Furthermore, two cemeteries were identified adjacent to the project area. Cemetery development plans are anticipated for any work beyond the existing pavement and within 100 feet of a cemetery.

An IDEM Rule 5 permit will be required since land disturbance activities are expected to exceed one acre. U.S. Army Corps of Engineers (USACE) Section 404 and IDEM Section 401 water quality permits will be required for any impacts to water resources.

RIGHT-OF-WAY IMPACTS

Permanent and temporary right-of-way will be required for this project as the existing right of way is at the centerline of pavement. It is anticipated that 85 parcels will be

impacted. It is also anticipated that there will be more than 0.5 acres of permanent right-of-way required for the project.

RAILROAD IMPACTS

There are no railroad impacts anticipated for this project.

UTILITY IMPACTS

An 811 ticket was ran and it was found that Advance Municipal Utilities; AFN WYYERD (Boone/Formerly Atlantic Engineering); AT&T; Boone County REMC; Comcast Cable; Enterprise Products Operating, LLC; Frontier; Lebanon Utilities; Metronet Fibernet, LLC; Vectren; and Windstream are located near the project. It is anticipated that there will be utility impacts due to the magnitude of the project. More details regarding impacts and reimbursables will be determined during the design process.

COST ESTIMATE

The preliminary construction cost is approximately \$10,564,800. This includes a 30% contingency.

PHASE COST EST

Preliminary Engineering	\$1,785,715
R/R Coord.	\$0
Utility Costs	*\$195,000
R/W Services	\$687,475
Land Cost	*\$1,275,000
Construction Cost	\$8,126,800
Contingencies	\$2,438,000
Total	\$14,507,990

* this value may change during the design process

CONCURRENCE

Prepared by:

R. Dylan Sievers

Dylan Sievers, PE
RQAW Corporation

12/8/2020

Date

Reviewed By:

Asset Engineer Review

Vanessa McCauley

Vanessa Mccauley
Pavement Asset Engineer

12/21/2020

Date

Recommend:

APPROVAL DISAPPROVAL

Reviewed By:

Scope Manager Review

Michael Eubank

Mike Eubank
Scope Manager

12/21/2020

Date

Recommend:

APPROVAL DISAPPROVAL

Reviewed By:

SAM Review

Michael Eubank For Scott Chandler

Scott J. Chandler
System Asset Manager

12/21/2020

Date

Recommend:

APPROVAL/DISAPPROVAL

ADDENDUM No. 1 TO THE ENGINEER'S REPORT

Project Number: 1800060 (Lead)
 Route / Feature Crossed: SR 32
 Project Location: From 3.69 miles West of SR 75 to 0.5 miles West of I-65 in Boone County
 Date: February 8, 2023

ADDENDUM JUSTIFICATION:

The scope of work of this project has been reduced due to potential alterations to SR 32 to accommodate planned economic development near Lebanon.

REVISION TO ORIGINAL SCOPE DOCUMENT:

The Engineer's Report is being revised as follows:

Project Location

The limits have been reduced for the added passing lanes portion of this project located on SR 32. The Westbound passing lane located west of CR 325 from Sta. 203+40 to Sta. 265+60 has been removed from the project. The new project limits start at RP 48+74, 3.69 miles west of SR 75 and goes to RP 55+26 2.83 miles east of SR 75. It is further described as being in S30, T19N, R2W; S29, T19N, R2W; S28, T19N, R2W; S27, T19N, R2W; S26, T19N, R2W; S25, T19N, R2W; in Jefferson Township in Boone County, Indiana. The coordinates of the start of the added travel lanes are Latitude: 40° 03' 17" and Longitude: -86° 41' 27" and end at Latitude: 40° 03' 15" and Longitude: -86° 35' 35".

Existing Facility

The following data of the existing pavement attributes only apply to the existing facility unless specified. Certain data for the passing lanes aren't available because the passing lanes currently do not exist.

A. Roadway Classification

1. Pavement Section ID: 1939
2. RP
 - b. Added Passing Lanes: from RP 48+74 to RP 55+26
3. Project Length: 6.62 miles
4. Number of Through Lanes:
 - b. Added Passing Lanes: 2
5. Number of Lane Miles
 - b. Added Passing Lanes: 6
6. Pavement Area
 - b. Added Passing Lanes: 77,440 SYS

Please note that these limits are for the HMA overlay limits, which overlap with one passing lane east of SR 75.

The net project length with the two passing lanes west of SR 75 is 8.66 miles.

B. Roadway Classification

14. Number of Small Culverts: 28

Typo.
Should be 26

a. Passing Lanes (Addressed with Project)

i. 13 ←

Typo.
Should be 11

b. Minor Structural Overlay (Coordinated with District)

i. 15

Typo.
Should be 1.41 mi. E of SR 75

Identification of Proposal

The HMA minor structural overlay project, Des. No. 1900361 will be located on SR 32, from 0.05 mi W of SR 75 to 0.5 mi W of I-65 and will not be changed by this addendum. The added passing lanes project will be located on SR 32 from 3.69 mi W of SR 75 to 2.83 mi E of SR 75. The roadway design classification is Rural Minor Arterial. The proposed improvements will involve 6.62 miles of mill and resurface and approximately 3 miles of added passing lanes. Two small structures will be removed from the scope with this addendum. The small structures are CV-32-006-56.85 (Des. No. 2201195) and CV-32-006-57.14 (Des. No. 2201196).

Attach any documents that support the addendum (pavement design memo, etc).

The questions below must remain; remove statements below questions that are not required.

Does the revision change the project's Purpose & Need statement?

☐ Yes ☒ No

Does the revision change the project's recommended alternative?

☐ Yes ☒ No

Does the revision change the project's cost estimate?

☒ Yes ☐ No

<i>Estimated Total Project Costs</i>	<i>Revised Amount</i>	<i>Original Amount</i>
Right of Way Purchase	\$720,000	\$1,275,000
Right of Way Services	\$388,220	\$687,475
Preliminary Engineering	\$1,692,100	\$1,692,100
Railroad PE	\$0	\$0
Railroad CN	\$0	\$0
Utilities PE (UT1)	\$0	\$0
Utilities CE (UT2)	\$195,000	\$195,000
Construction Total:	\$10,569,100	\$10,564,800
Construction Engineering (CE)	\$0	\$0
Other Considerations	\$0	\$0
TOTAL:	\$10,096,620	\$11,976,375

The reduction in scope of the passing lane amounted to a cost reduction of \$1,025,500. However, several existing pipes in the project had to be increased to small structures for hydraulic reasons. The cost associated with the increase of the small structures is \$1,029,800. The net change in cost is \$4,300.

Does the revision change the project's environmental impacts?

☒ Yes ☐ No

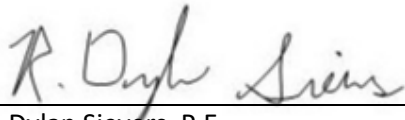
Does the revision require additional Right-of-Way? ☐ Yes ☒ No

Does the revision change the project's schedule (design or construction)? ☒ Yes ☐ No

Does the revision require additional coordination with utility companies? ☒ Yes ☐ No

ADDENDUM CONCURRENCE

This document was prepared by:

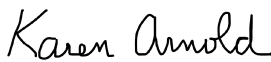


February 8, 2023

Dylan Sievers, P.E.

RQAW Project Manager

Reviewed by:



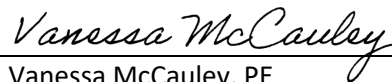
03/16/2023

[Date]

Karen Arnold

Project Manager, Crawfordsville District

Reviewed by:



3/17/2023

[Date]

Vanessa McCauley, PE

Pavement Asset Engineer, Crawfordsville District

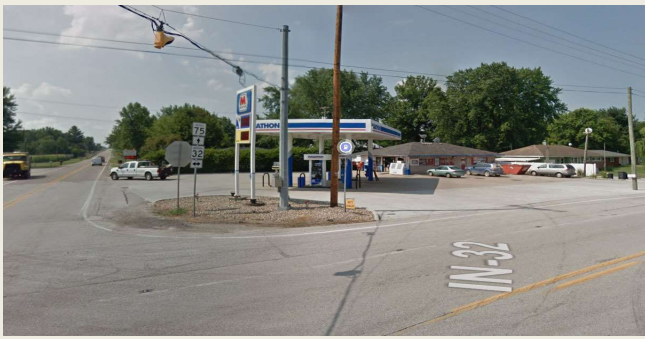
Reviewed by:



[Date] 3/17/2023

Mike Eubank, PE

System Asset Manager, Crawfordsville District

Call Application Report Project (Mini Scope)											
FORM VERSION:		11/7/2014		FORM VERSION BY: Andrew Fitzgerald, PTOE, PE							
Date:	10/18/2021			District:	CRAWFORDSVILLE			SCORE:			
DES:				Sub-District:	Frankfort						
Proposed FY:	2024			Asset Group:	SAFETY						
Work Type:	Access Control			Work Category:	Central Office Safety Project						
Project Location											
Route:	SR 32	City/Town:	Dover		County 1	Boone		County 2			
RP Start:	52+42			Latitude Start:	40.054372		Longitude Start:	-86.619763			
RP End:				Latitude End:			Longitude End:				
AADT FY:	2020	AADT:	6,581		% Trucks:	25.0%					
Length:		# Lanes:			Lane Mi:						
Func. Class:	Minor Arterial				Area:	No		NHS:	No		
Str. #	N/A	NBI #:	N/A		Bridge / Culvert: Length (FT) / Width (FT):	N/A		Bridge Area (SFT):	N/A	Year Built:	N/A
Location Description:		at SR 75 (Dover)									
SEE IT: WHAT IS THE CURRENT AND PROJECTED CONDITION AND WHY IS THIS A PROBLEM (FOCUS ON THE PROBLEM):											
<p>SR 32 is a minor arterial and SR 75 is a major collector. There is a gas station on the southwest corner of this intersection with very little access control. It currently has continuous access for ingress and egress. This can cause confusion for drivers entering and exiting the gas station, and it creates conflicts for motorist accessing SR 32 from SR 75. Adding curbing to define an entrance farther away from SR 75 will shift exiting traffic so they do not impede drivers from the public approaches.</p>					INSERT ONE OR TWO PICTURES OF PRIMARY PROBLEM:						
											
DATE AND TYPE OF LAST MAJOR TREATMENT:								DATE:			
PROJECT CONDITION RATINGS:			LOS:		Crash Rate:		Icc:				
Wearing Surface:		NA		Deck:		NA		Bridge/Culvert Super:		NA	
Type I Culverts/ pipes:		NA		Bridge Scour:		NA		Bridge Paint:		NA	
IRI:		N/A		PCR:		N/A		RUT:		N/A	
								Friction #:		NA	
								Other:		N/A	
INTENT/ PURPOSE OF PROJECT (INITIAL STATEMENT OF ESSENTIAL PROJECT PURPOSE:											
<p>The need for the SR 32 access control project is to delineate where drivers can enter and exit the gas station without impeding on other drivers from public approaches. The gas station does not have a designated entrance or exit in their current state. The proposal for the SR 32 access is for a curbed concrete island to be constructed to create an entrance/exit at the gas station. The purpose is to guide drivers to their designated location without interfering with the turning movements at the public road approaches.</p>											
Completed FULL SCOPE: NA				KPI Delta:				KPI UNIT:			
OWN IT: Alternatives											
PRELIMINARY ALTERNATIVES THAT ARE CONTEMPLATED (ANALYSED) WITH COSTS:											
<p>1. See attached sketch of recommended alternative for the SR 32 entrance near SR 75. Remove existing concrete pavement from 80' West of SR 75 to 40' West of SR 75 and install raised concrete island connecting to the existing southwest corner island. The width of the island should go from the edge of the gas station's concrete entrance to approximately the end of INDOT's R/W</p>											

(approximately 6'). The height of the concrete island will be 6", Type D. Secondary consideration is placing concrete island on top of existing concrete pavement and anchoring in to the pavement. The utility company will need to remove and relocate the utility pole that is 120' west of the center of SR 75. \$26,000 2. Do nothing

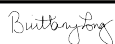
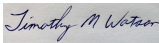

CONSEQUENCES IF NO ACTION IS TAKEN (DO NOTHING ALTERNATIVE IS SELECTED):
Drivers will not be properly guided to their designated location without interfering with the turning movements at the public road approaches. Crashes will continue to occur due to vehicles entering SR 32 immediately adjacent to SR 75.

SECONDARY CONSIDERATIONS OR GOALS WITH COSTS:

Attach extra sheets as necessary to fully describe the alternatives.

Will Further Analysis/Assessment be required beyond this form?

SOLVE IT: Project Recommendations and Costs
QUANTIFIABLE PRIMARY GOAL(S) OF PROJECT (WHAT ARE WE PURCHASING SUCH AS CONDITION, SERVICE LIFE, LOS, OR CRF):

Estimated Total Project Costs:		\$26,000.00		COMMENTS	
Right of Way Purchase (RW1):		COST:			
Right of Way Services (RW2):		COST:		None Expected	
Preliminary Engineering 1 (PE1):		COST:		Done in-house	
Preliminary Engineering 2 (PE2):		COST:			
Maintenance of Traffic:		COST:			
Railroad PE (RR1):		COST:		None Expected	
Railroad PE (RR2):		COST:		None Expected	
Environmental Study:		COST:		None Expected, if done in-house	
Utilities PE (UT1):		COST:		None Expected	
Utilities CN (UT2):		COST:		None Expected	
Construction (CN):		COST:	\$26,000.00		
Construction Engineering (CE):		COST:		None Expected	
Relinquishment Payment (RQP):		COST:		None Expected	
Other Considerations:		COST:			
Other Projects within Limits					
DES:	1900361	FY:	2024	Work Type:	HMA Overlay, Minor Structural
				Location:	from 0.05 mi W of SR 75 to 0.5 mi W of I-65 (Sanitary Ditch Bridge)
DES:	1800060	FY:	2024	Work Type:	Aux. lanes, passing
DES:		FY:		Work Type:	
				Location:	from 3.69 mi W of SR 75 to 2.47 mi W of I-65
Miscellaneous Notes					
ANTICIPATED NUMBER OF CONSTRUCTION SEASONS TO COMPLETE (1, 2 or 3 seasons):					1 FY
ANTICIPATED NUMBER OF YEARS TO COMPLETE DESIGN (1, 2 or 3 fiscal years):					1
CALL HISTORY:					
This location has not been presented before for the call of projects.					
Attachments					
Pictures				Asset Team Scoring Sheet:	
Spreadsheets (calcs):				Engineer Assessment:	
Solution Schematic:				Bridge/Culvert Inspection Report:	
Cost Calculations:				Accident History:	
Location Map:				Pathway Data:	
Additional Comments					
Other items relevant to the project not specifically listed elsewhere.					
MOT scheme: Flagging on SR 32 EB lane & SR 75 NB lane.					
There is one environmental concern within the limits of the SR 32 project: 1 LUST located at the gas station. Utilities and other environmental issues will need to be reviewed in the design phase.					
Report Prepared By and Approved By					
	Report Prepared By and Approved By:		Title:		Signature
Prepared by:	Brittany Long		Traffic Development Engineer		 2021.10.21 14:52:32 -04'00'
Prepared by:	Tim Watson		District Traffic Engineer		 2021.10.21 15:11:26 -04'00'
Approval by:	Scott Chandler		Systems Asset Manager		 10-21-2021
NOTE: Any changes require a re-submittal of Call Application Report.					
FORM VERSION: 11/7/2014			FORM VERSION BY: Andrew Fitzgerald, PTOE, PE		

